

LISTING OF THE CLAIMS:

A complete listing of the claims is provided below. This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Original) An apparatus for blasting abrasive material onto an article comprising:
  - a manifold assembly;
  - an air supply line connected to the manifold assembly;
  - a plurality of nozzles connected to the manifold assembly; and
  - a plurality of material supply hoses connected to the manifold assembly.
2. (Original) The apparatus of claim 1, wherein the manifold assembly further comprises:
  - a chambered block; and
  - a plenum cap attached to the chambered block.
3. (Currently Amended) The apparatus of claim 1 & 2, wherein threaded connectors are used to connect the plenum cap to the chambered block through a top surface of the plenum cap into a surface of the chambered block.
4. (Original) The apparatus of claim 1, wherein the manifold assembly further comprises:
  - an air inlet port that receives the air supply line;
  - a plurality of cross chambers intersecting the air inlet port wherein each respective cross chamber comprises a material outlet attachment port at one end and is closed off at another end; and
  - a plurality of material inlet attachment ports each angularly intersecting a respective cross chamber.

5. (Original) The apparatus of claim 4, wherein the cross chambers intersect the air inlet port at 90 degrees.
6. (Original) The apparatus of claim 4, wherein each cross chambers intersects the air inlet port at an angle other than 90 degrees.
7. (Original) The apparatus of claim 1, wherein the manifold assembly further comprises:
  - a first chambered block;
  - a second chambered block connected to the first chambered block; and
  - a plenum cap connected to the first chambered block and the second chambered block.
8. (Original) The apparatus of claim 7, wherein threaded connectors are used to connect the plenum cap to the first chambered block and the second chambered block through a top surface of the plenum cap into a surface of the first chambered block and the second chambered block.
9. (Original) The apparatus of claim 7, wherein the first chambered block is connected to the second chambered block by threaded connectors.
10. (Original) The apparatus of claim 1, wherein the air supply line is rigidly connected to the manifold assembly.
11. (Original) The apparatus of claim 4, wherein the plurality of sand supply hoses are connected to a respective one of the material inlet attachment ports.
- 12-26. (Withdrawn)

27. (New) An apparatus for blasting abrasive material onto an article comprising:

a manifold block comprising;

a single air inlet;

a plurality of outlet nozzles in fluid connection with the single air inlet;

and

a plurality of material inlets, each material inlet of the plurality of material inlets being in fluid connection with a corresponding outlet nozzle of the plurality of outlet nozzles.

28. (New) The apparatus according to claim 27, wherein the manifold block further comprises:

a plurality of cross chambers intersecting the single air inlet, each cross chamber of the plurality of cross chambers having a first end and a second end, wherein each respective cross chamber comprises a respective outlet nozzle of the plurality of outlet nozzles disposed at the first end and is closed off at the second end; and

the plurality of material inlets each angularly intersecting a respective cross chamber.

29. (New) The apparatus of claim 27, further comprising an air supply line rigidly connected to the single air inlet.

30. (New) A device comprising:

a block;

a longitudinal passage in the block;

a plurality of outlet passages serially connected to the longitudinal passage,  
wherein each of the plurality of outlet passages are oriented in a different direction  
relative to a remainder of the outlet passages; and

a plurality of material passages, each material passage of the plurality of material  
passages being in fluid connection with a corresponding outlet passage of the plurality of  
outlet passages, wherein each material passage intersects the corresponding outlet  
passage at an angle to generate a venturi effect.

31. (New) The device according to claim 30, wherein the block further comprises:

a plurality of cross chambers intersecting the longitudinal passage, each cross  
chamber of the plurality of cross chambers having a first end and a second end, wherein each  
respective cross chamber comprises a respective outlet passage of the plurality of outlet passages  
disposed at the first end and is closed off at the second end; and

the plurality of material passages each angularly intersecting a respective cross  
chamber.

32. (New) The apparatus of claim 30, further comprising an air supply line rigidly connected  
to the longitudinal passage.